

4001 BARKER CT  
FAIRFAX, VIRGINIA 22032

## ABBREVIATIONS

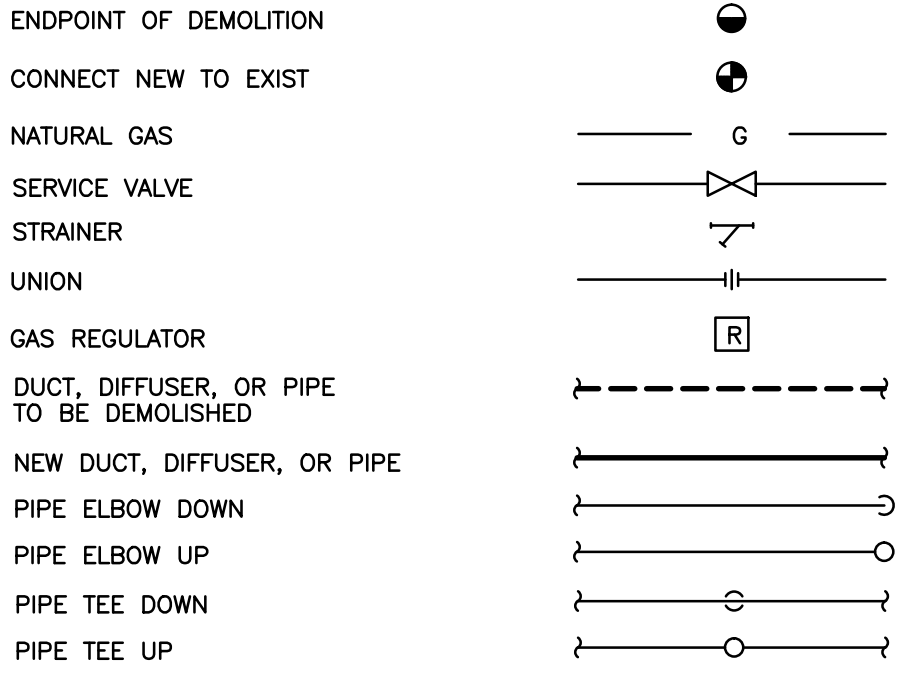
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|-----------|--|
| AMPERE    |  |
| AF        | AMPERE, FRAME RATING                       |
| AFG       | ABOVE FINISHED GRADE                       |
| AT        | AMPERE, TRIP RATING                        |
| AWG       | AMERICAN WIRE GAUGE                        |
| BKR       | BREAKER                                    |
| BLDG      | BUILDING                                   |
| BTC       | BARE TINNED COPPER                         |
| C         | CONDUIT                                    |
| CKT       | CIRCUIT                                    |
| CND       | CONDUIT                                    |
| COP, CU   | COPPER                                     |
| CT        | CURRENT TRANSFORMER                        |
| DISC      | DISCONNECT                                 |
| DWG       | DRAWING                                    |
| ELEC      | ELECTRIC                                   |
| FDR       | FEEDER                                     |
| FLA       | FULL LOAD AMPS                             |
| FSS       | FUSED SAFETY SWITCH                        |
| GF1       | GROUND FAULT INTERRUPTER                   |
| G, GND    | GROUND (ING) (ED)                          |
| HP        | HORSE POWER                                |
| HZ        | HERTZ                                      |
| IAW       | IN ACCORDANCE WITH                         |
| JB        | JUNCTION BOX                               |
| JUNC      | JUNCTION                                   |
| KAIC      | KILO-AMPERE INTERRUPTING CAPACITY          |
| KW        | KILOWATT                                   |
| KWHR      | KILOWATT HOUR                              |
| LGT       | LIGHTING                                   |
| MCA       | MINIMUM CIRCUIT AMPACITY                   |
| MCB       | MAIN CIRCUIT BREAKER                       |
| MFC       | MINIMUM FUSE/OKT BKR AMPACITY              |
| WGB       | MASTER GROUND BAR                          |
| MLO       | MAIN LUGS ONLY                             |
| MOP       | MINIMUM OVERCURRENT PROTECTION             |
| MTD       | MOUNT (ED) (ING)                           |
| MTR       | METER (S) (ED) (ING)                       |
| N         | NEUTRAL                                    |
| N/L       | NIGHT LIGHT (UNSWITCHED)                   |
| NFSS      | NOT FUSED SAFETY SWITCH                    |
| NTS       | NOT TO SCALE                               |
| OPD       | MAXIMUM OVERCURRENT PROTECTION DEVICE SIZE |
| OVHD      | OVERHEAD                                   |
| P         | POLE                                       |
| PH, Ø     | PHASE                                      |
| PNL       | PANEL                                      |
| PWR       | POWER                                      |
| RCPT      | RECEPTACLE                                 |
| S/N       | SOLID NEUTRAL                              |
| SERV ENTR | SERVICE ENTRANCE                           |
| SW        | SWITCH                                     |
| SWBD      | SWITCHBOARD                                |
| TYP       | TYPICAL                                    |
| UON       | UNLESS OTHERWISE NOTED                     |
| UTIL      | UTILITY                                    |
| W         | WATT                                       |
| WA        | WIRE SIZE AMPACITY                         |
| WP        | WEATHERPROOF                               |
| WM        | WIREWAY                                    |
| WFRM      | TRANSFORMER                                |

Map of Fairfax, Virginia, showing the Little River Trappe area. The map includes major roads like Main St, Main St, and Main St, as well as smaller streets like Baccarat Ct, Spoke Ct, and Oak Creek Dr. A red box highlights the area around the Little River Trappe, with a label 'Little River Trappe' and a small inset map showing the location within Fairfax County. The map also shows the location of the Little River Trappe, which is a small community within Fairfax County. The map is oriented with North at the top.

PLUMBING GENERAL NOTES

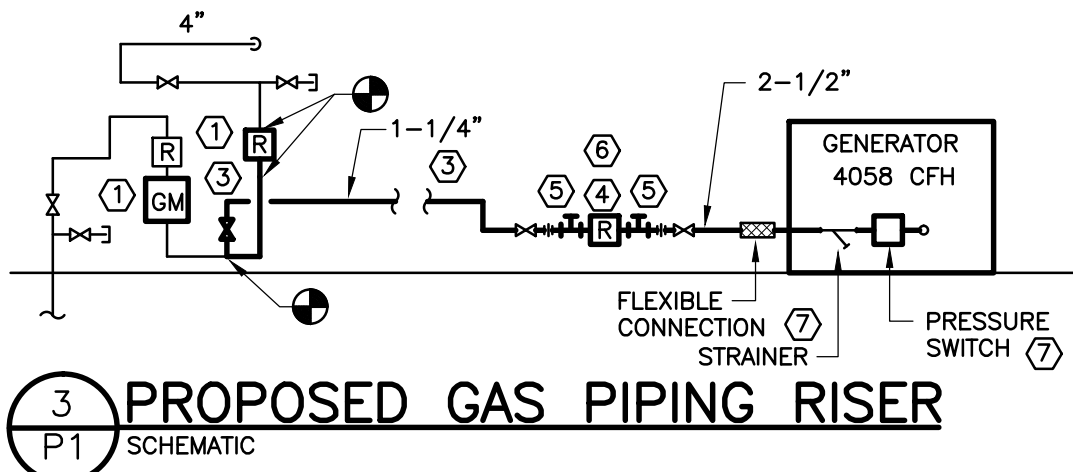
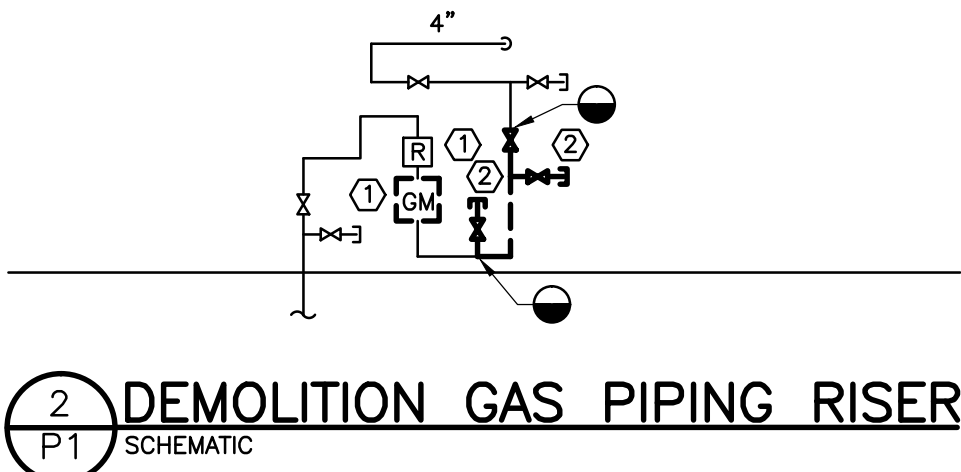
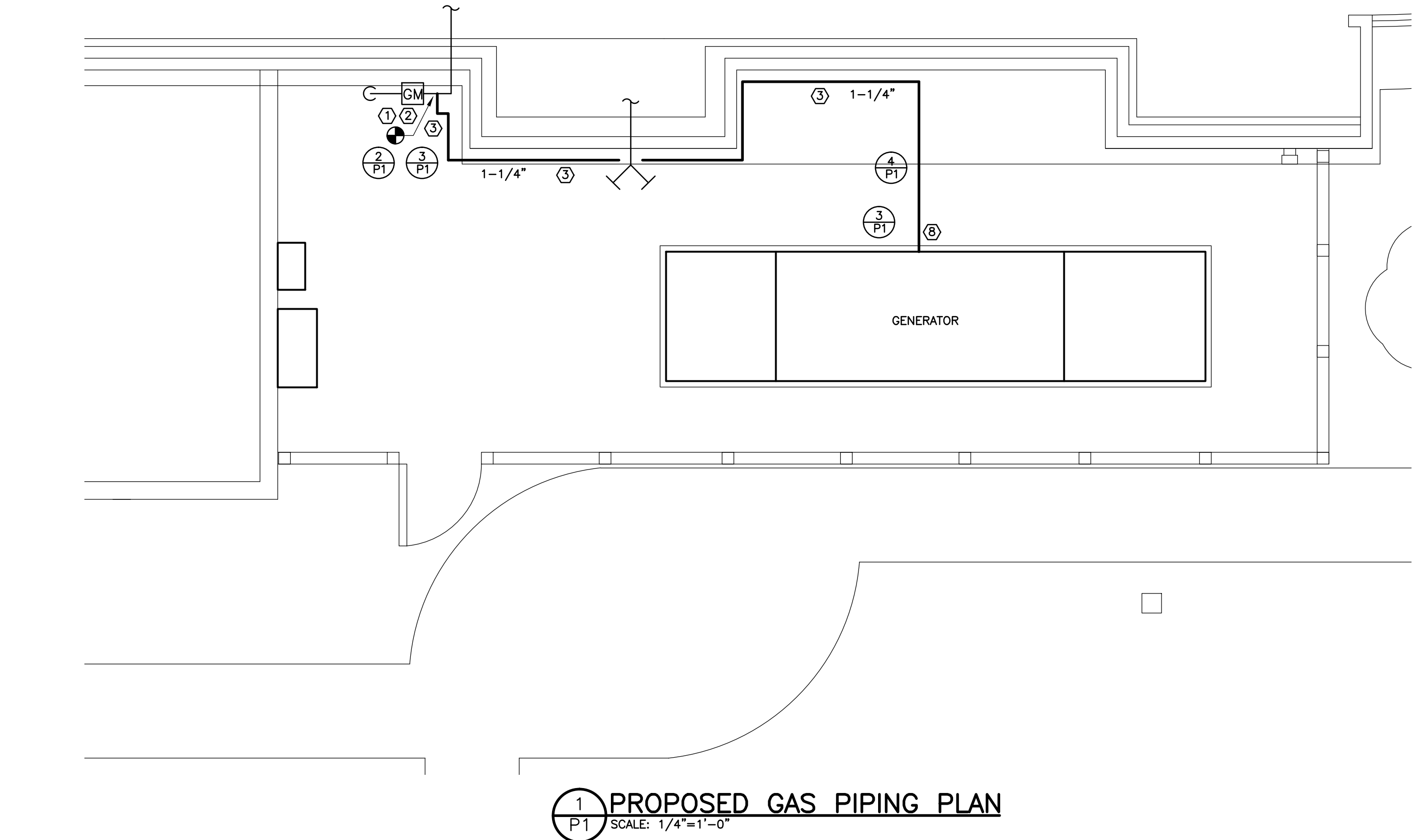
1. THE SCOPE OF THIS WORK CONSISTS OF FURNISHING AND INSTALLING COMPLETE PLUMBING SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE SYSTEM. IT IS THE INTENT OF THESE PLANS AND DOCUMENTS TO PROVIDE COMPLETELY FINISHED, TESTED, AND OPERATIONAL SYSTEMS. ALL APPARATUS, APPLIANCES, MATERIALS, AND INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER. THE TERM "PROVIDE", WHERE USED IN THESE SPECIFICATIONS AND ON THE DRAWINGS, SHALL BE DEFINED AS PURCHASE, FABRICATE, INSTALL AND CONNECT TO THE SYSTEMS AS STATED ABOVE.
2. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE, THE INTERNATIONAL CODES, NFPA, AND OTHER STATE AND LOCAL REGULATIONS. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED AS REQUIRED. ALL EQUIPMENT SHALL BE NEW AND U.L. LISTED.
3. THE PREMISES WILL REMAIN OCCUPIED DURING THE COURSE OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OCCUPANT'S AND LANDLORD'S REPRESENTATIVES. REFER TO THE INSTRUCTIONS TO BIDDERS AND GENERAL TERMS AND CONDITIONS OF THE CONTRACT FOR AVAILABLE WORKING HOURS. TAKE PRECAUTIONS TO INSURE THAT THE PREMISES ARE NOT ADVERSELY AFFECTED BY THE WORK. PROTECT ALL ADJACENT SURFACES, EQUIPMENT, FURNITURE, AND OTHER ITEMS IN THE AREA OF THE WORK. PROVIDE FIVE (5) DAYS WRITTEN NOTICE TO THE OWNER'S REPRESENTATIVE FOR ANY OWNER EQUIPMENT THAT MUST BE RELOCATED TO ACCOMMODATE THE WORK. CLEAN THE WORK AREA AFTER EACH DAILY WORK SESSION AND RESTORE THE AREA TO A CLEAN AND USEABLE CONDITION.
4. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND PAY ALL FEES NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS WORK.
5. THE CONTRACTOR SHALL COOPERATE WITH OTHERS DOING WORK ON THE BUILDING AS MAY BE NECESSARY FOR THE PROPER EXECUTION OF THE WORK OF THE VARIOUS TRADES EMPLOYED IN THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL OBTAIN A COMPLETE AND CURRENT SET OF PLANS AND SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, STRUCTURAL, CIVIL AND ELECTRICAL DRAWINGS TO THE END THAT UNNECESSARY DELAYS MAY BE AVOIDED. NO EXTRAS WILL BE ALLOWED BECAUSE OF CONFLICTS CAUSED BY THE USE OF INCOMPLETE OR OUTDATED PLANS AND SPECIFICATIONS.
6. THE DATA GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS CAN BE SECURED; BUT THE ABSOLUTE ACCURACY IS NOT GUARANTEED. THE SPECIFICATIONS AND DRAWINGS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATION, DISTANCES, AND LEVELS WILL BE GOVERNED BY THE BUILDINGS. THE CONTRACTOR SHALL USE THE DATA CONTAINED WITH THIS UNDERSTANDING. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION AND WORK OF OTHER CONTRACTOR WILL PERMIT. ALL DEVIATIONS FROM DRAWINGS REQUIRED TO MAKE THE PLUMBING WORK CONFORM TO THE BUILDING AS CONSTRUCTED AND TO THE WORK OF OTHERS SHALL BE MADE BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDINGS AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF DIFFERENCES BETWEEN WORK SHOWN ON THE DRAWINGS AND MEASUREMENTS AT THE BUILDING.
8. ALL WORK AND MATERIALS COVERED BY THE SPECIFICATIONS SHALL BE SUBJECT TO INSPECTION AND, AT ALL TIMES, BY REPRESENTATIVES OF THE ARCHITECT, ENGINEER, OR THE OWNER. IF THE ARCHITECT'S, ENGINEER'S, OR OWNER'S INSPECTOR FIND THAT ANY MATERIAL DOES NOT CONFORM TO THESE SPECIFICATIONS, THE CONTRACTOR SHALL, WITHIN 3 DAYS AFTER BEING NOTIFIED BY THE ARCHITECT, ENGINEER, OR OWNER, REMOVE THE MATERIAL FROM THE PREMISES. IF SAID MATERIAL HAS BEEN INSTALLED, THE ENTIRE EXPENSE OF REMOVING AND REPLACING SAME, INCLUDING ALL CUTTING AND PATCHING THAT MAY BE NECESSARY, SHALL BE BORNE BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL REMOVE ALL MATERIALS NOT INSTALLED IN THEIR WORK WHICH WOULD INTERFERE WITH THE WORK OF OTHER CONTRACTOR, IF SO DIRECTED BY THE ARCHITECT, ENGINEER, OR THE OWNER. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE PREMISES ALL DEBRIS AND MATERIALS NOT INSTALLED SO THAT THE PREMISES WILL BE LEFT CLEAN.
10. UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL EQUIPMENT, ALL SYSTEMS SHALL BE TESTED IN THE PRESENCE OF THE ARCHITECT AND ENGINEER TO DEMONSTRATE THAT ALL EQUIPMENT FURNISHED AND INSTALLED UNDER THE PROVISIONS OF THESE SPECIFICATIONS FUNCTIONS IN THE MANNER REQUIRED.
11. THE CONTRACTOR SHALL LEAVE ALL SYSTEMS IN PROPER WORKING ORDER AND SHALL, AT THEIR EXPENSE, REPLACE ALL WORK, MATERIAL, AND EQUIPMENT FURNISHED BY THEM WHICH DEVELOP DEFECTS WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE. DELIVER ALL WARRANTY CERTIFICATES TO THE OWNER PRIOR TO FINAL ACCEPTANCE AND BUILDING TURN OVER.
12. THE CONTRACTOR SHALL DEMOLISH, DISASSEMBLE, AND REMOVE FROM THE PREMISES ALL EXISTING EQUIPMENT AND MATERIAL AS INDICATED THAT IS NOT BEING REUSED AND BECOMING PROPERTY OF THE OWNER. THE CONTRACTOR SHALL LEGALLY DISPOSE OF SUCH EQUIPMENT AND MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
13. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME INFORMED AS TO THE EXISTING CONDITIONS OF THE PREMISES. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING SYSTEMS AND WITH THE NEW WORK THAT IS REQUIRED. NO CONSIDERATION WILL BE GRANTED FOR ALLEGED MISUNDERSTANDING OF THE WORK THAT IS TO BE DONE. ANY DIFFICULTIES IN COMPLYING WITH THE DRAWINGS OR SPECIFICATIONS, OR QUESTIONS OF CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE BIDDING.
14. THE CONTRACTOR SHALL COORDINATE ALL GAS PIPING WORK WITH THE LOCAL GAS COMPANY. COORDINATE SIZE, LOCATION, HOUSE PRESSURE AND CAPACITY OF GAS METER AND GAS PIPING PRIOR TO FABRICATION OR INSTALLATION OF ANY GAS FIRED SYSTEMS. PROVIDE AUXILIARY GAS REGULATORS FOR 2 PSI SYSTEMS IN ACCORDANCE WITH THE GAS COMPANIES RECOMMENDATIONS. PROVIDE SHUT-OFF VALVES AT ALL GAS CONNECTIONS TO EQUIPMENT. PROVIDE 6" DIRT LEG AT ALL INDOOR GAS CONNECTIONS.
15. PROVIDE SHUT-OFF VALVES AT ALL GAS CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT.
16. WHERE THE DRAWINGS INDICATE CONNECTIONS AND COORDINATION WITH EXISTING UTILITIES, ABOVE AND BELOW THE FLOOR OR GRADE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION, TYPE, SIZE, INVERTS, CAPACITY, AND COMPATIBILITY OF EXISTING UTILITIES THROUGH ACTUAL FIELD MEASUREMENTS AND INVESTIGATIONS AT THE JOB SITE PRIOR TO FABRICATION OR INSTALLATION OF ANY PIPING AND EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF SIGNIFICANT DEVIATION FROM THE PLANS ARE DISCOVERED. THE CONTRACTOR SHALL ADHERE TO ALL APPLICABLE NOTIFICATION LAWS PRIOR TO ALL DIGGING OPERATIONS.
17. THE CONTRACTOR SHALL OBTAIN AND ADHERE TO THE LANDLORD'S "RULES AND REGULATIONS FOR CONSTRUCTION". THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL LANDLORD REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, ALLOWABLE WORKING HOURS, PARKING, CORE DRILLING, NOISE, SECURITY, FREIGHT ELEVATOR USAGE, FLOOR LOADING, DUST CONTROL, TRASH REMOVAL, STAGING AREAS, STORAGE OF MATERIALS, CLEANUP, TOILET AVAILABILITY, ALL TEMPORARY UTILITIES, AND ALL UTILITY SERVICE INTERRUPTION. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE LANDLORD'S DESIGNATED REPRESENTATIVE.
18. DEVELOP AND SUBMIT COORDINATION DRAWINGS FOR ALL PLUMBING SYSTEMS PRIOR TO FABRICATION OR INSTALLATION OF ANY MATERIAL AND EQUIPMENT. REFER TO THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
19. REFER TO THE ELECTRICAL DRAWINGS FOR THE VOLTAGE AND PHASE REQUIREMENTS FOR ALL ELECTRICALLY POWERED PLUMBING EQUIPMENT.
20. SHOP DRAWINGS: THE CONTRACTOR SHALL PROVIDE SIX SETS OF SHOP DRAWINGS AND PRODUCT LITERATURE FOR THE FOLLOWING PLUMBING EQUIPMENT AND SYSTEMS:
- GAS PIPING SYSTEMS  
VALVES
21. OPERATION AND MAINTENANCE MANUALS: THE CONTRACTOR SHALL PROVIDE OPERATION AND MAINTENANCE (O/M) MANUALS FOR ALL PLUMBING EQUIPMENT LISTED BELOW. ALL O/M MANUALS SHALL BE BOUND IN A THREE-RING BINDER. THE CONTRACTOR SHALL PREPARE TWO COMPLETE SETS OF O/M MANUALS AND DELIVER TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- GAS PIPING SYSTEMS  
VALVES
22. AS-BUILT DRAWINGS: DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE SYSTEM, LOCATING ALL PIPING AND EQUIPMENT PRECISELY BY DIMENSION. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLUE-LINE PRINTS OF THE ORIGINAL DRAWINGS.

LEGEND



ABBREVIATIONS

CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
EXIST	EXISTING
G	NATURAL GAS PIPING
GM	GAS METER
GWH	GAS WATER HEATER
H2O	WATER
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
MBH	1,000 BTU/HR
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NPS	NOMINAL PIPE SIZE
PD	PRESSURE DROP
RTU	ROOF TOP UNIT
TON	12,000 BTU/HR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE



PROPOSED 2 PSI SERVICE TO GENERATOR

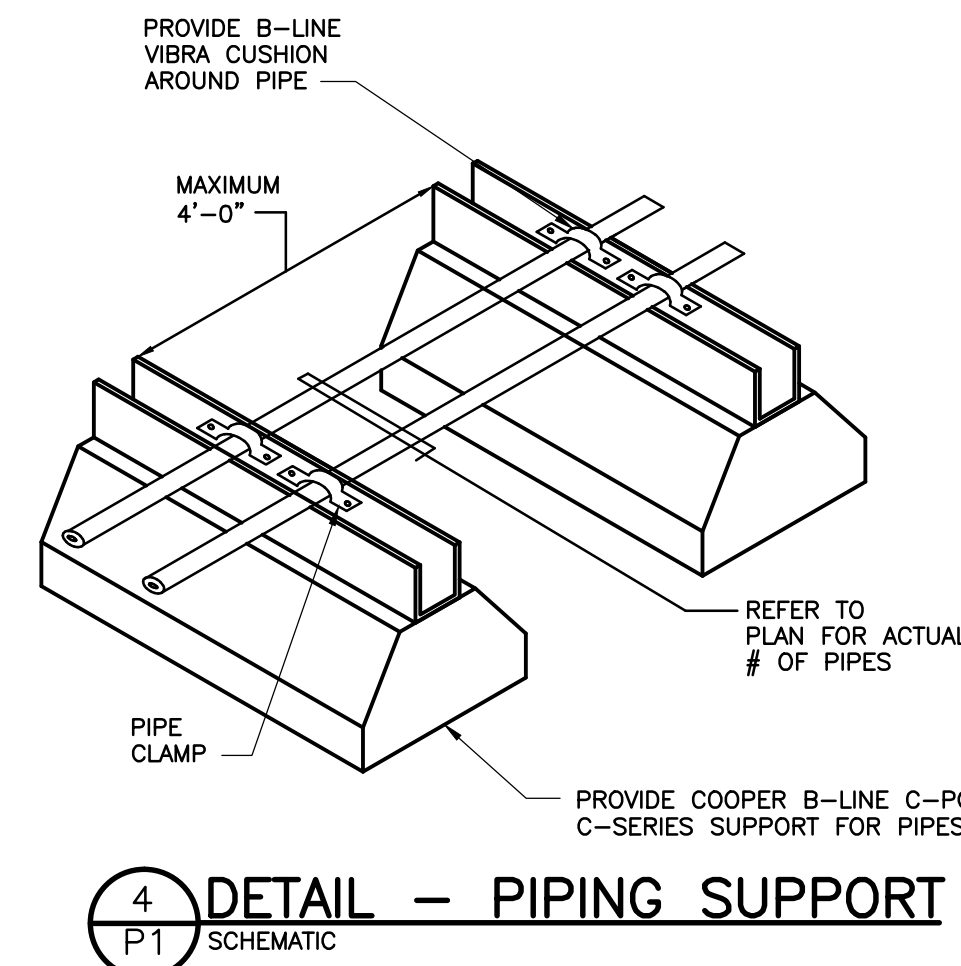
- TOTAL DEVELOPED LENGTH = 60'
- SPECIFIC GRAVITY = .6
- HEATING VALUE = 1000 BTU/CF
- 2 PSI PRESSURE SYSTEM
- NOMINAL PIPE SIZES SHOWN FOR SCHEDULE 40 BLACK STEEL
- PRESSURE DROP OF 1 PSI (USE IFGC TABLE 402.4(3))

LOW PRESSURE SERVICE FROM REGULATOR TO GENERATOR (2 PSI OR LESS)

- TOTAL DEVELOPED LENGTH = 10'
- SPECIFIC GRAVITY = .6
- HEATING VALUE = 1000 BTU/CF
- NOMINAL PIPE SIZES SHOWN FOR SCHEDULE 40 BLACK STEEL
- PRESSURE DROP OF 1" OR LESS (USE IFGC TABLE 402.4(1))

NUMBERED NOTES: SHEET P1

- 1 CONTRACTOR SHALL ARRANGE FOR WASHINGTON GAS TO REPLACE THE GAS METER AND CONVERT EXISTING LOW PRESSURE SERVICE TO A 2 PSI SERVICE TO PROVIDE EQUAL PRESSURES DOWNSTREAM OF THE METER. CONTRACTOR SHALL RECONFIGURE THE PIPING AS REQUIRED TO PROVIDE A NEW LOW PRESSURE REGULATOR FOR THE EXISTING LOW PRESSURE SERVICE. THE GENERATOR SHALL BE PROVIDED WITH 2 PSI.
- 2 REMOVE PORTION OF GAS PIPING, VALVES, ETC. AS SHOWN TO ACCOMMODATE NEW REGULATOR AND 2 PSI SERVICE.
- 3 PROVIDE 2 PSI GAS PIPING FROM THE TAP TO THE NEW GENERATOR. PIPING SHOWN OFFSET FOR CLARITY. INSTALL PIPING ON EXTERIOR WALL.
- 4 PROVIDE 2 PSI TO LOW PRESSURE (7"-11" WC) REGULATOR AT GENERATOR.
- 5 PROVIDE TEE FITTING WITH ONE OPENING CAPPED OR PLUGGED FOR CONNECTION OF PRESSURE MEASURING INSTRUMENT.
- 6 INSTALL REGULATOR AND TEE FITTINGS OUTSIDE THE GENERATOR ENCLOSURE.
- 7 INSTALL STRAINER AND PRESSURE SWITCH PROVIDED BY GENERATOR VENDOR. CONNECT PRESSURE SWITCH TO GENERATOR CONTROL SYSTEM.
- 8 PROVIDE PENETRATION THROUGH SIDE OF GENERATOR ENCLOSURE FOR GAS PIPING. COORDINATE EXACT LOCATION IN THE FIELD. PROVIDE GROMMET AROUND PIPING AT THE PENETRATION.



SHAPFORD  
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SWSG

1821 Michael Paradey Drive  
Suite 302  
Reston, VA 20190  
703-471-5803

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PROPOSED GAS PIPING PLAN AND RISERS

PROPOSED GAS PIPING PLAN AND RISERS

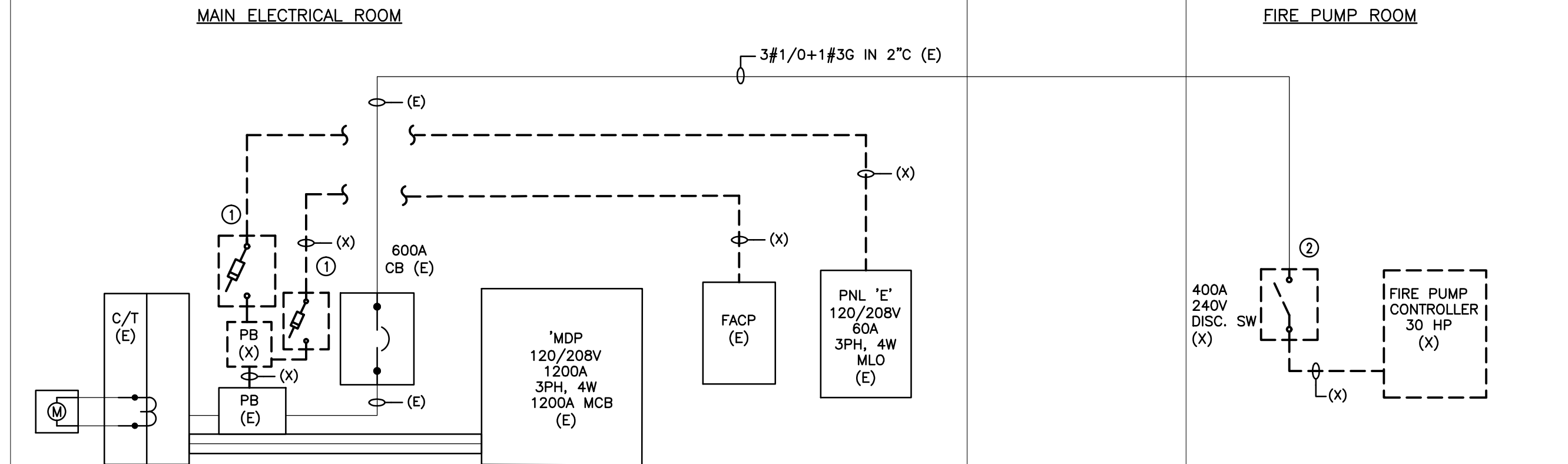
PROPOSED GAS PIPING PLAN AND RISERS

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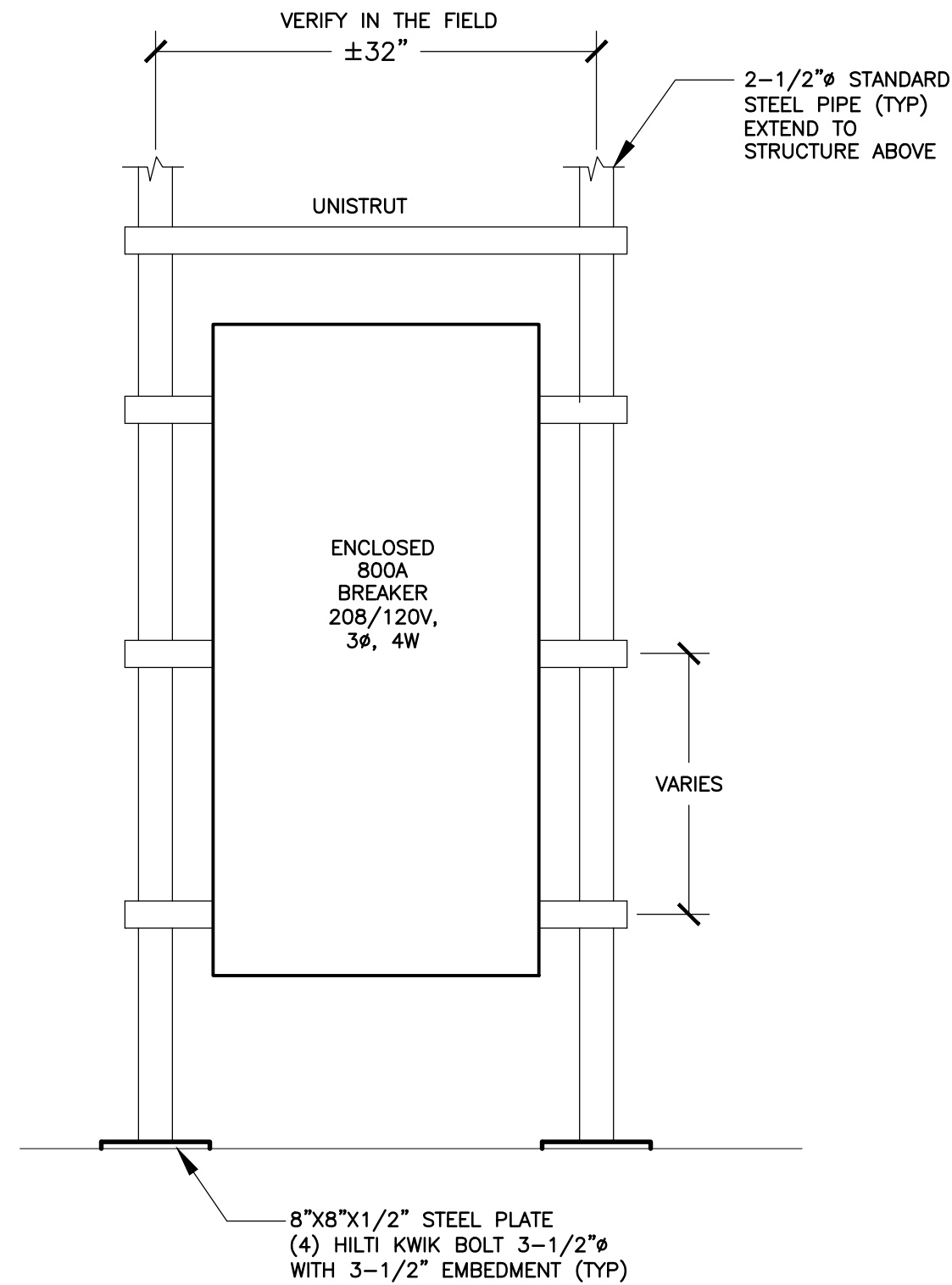
1 RISER DIAGRAM – DEMOLITION  
E2 NOT TO SCALE

### RISER KEYED NOTES

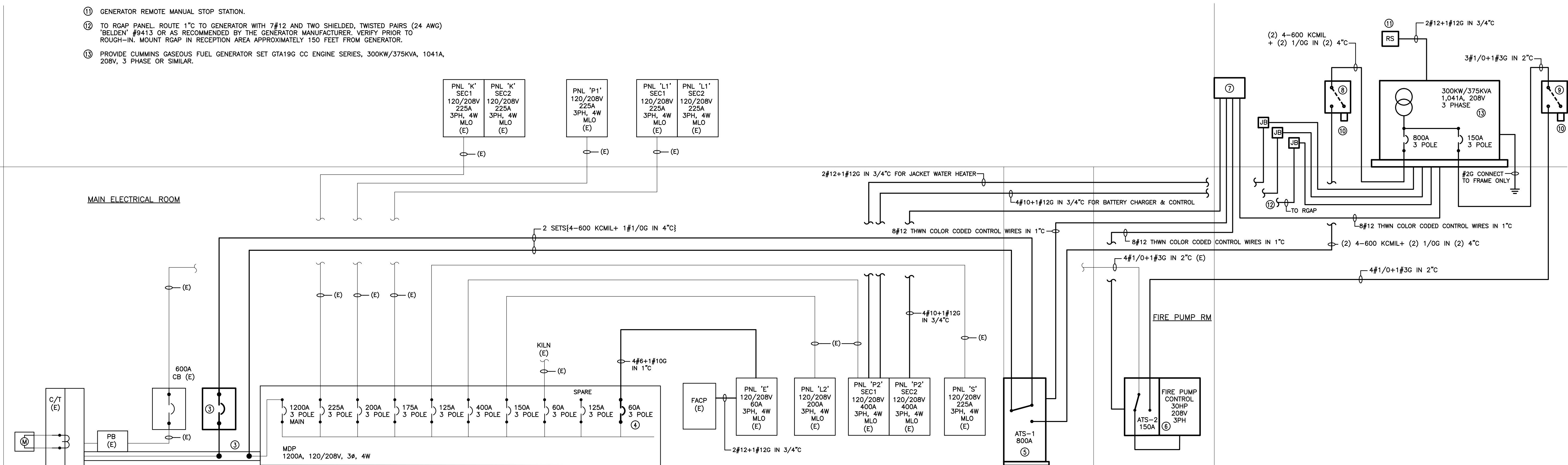
- REMOVE DISCONNECT SWITCH, CONDUIT AND WIRE AS SHOWN.
- REMOVE DISCONNECT SWITCH AND EXTEND EXISTING CIRCUIT TO NEW COMBINATION ATS, DISCONNECT AND CONTROLLER AS SHOWN ON PROPOSED RISER DIAGRAM. REFER TO FLOOR PLAN FOR LOCATION.
- INTERCEPT EXISTING SERVICE FEEDERS AND PROVIDE 800A 208V, 3 POLE ENCLOSED BREAKER AND CONNECT AS SHOWN. REFER TO DETAIL 3/E2.
- PROVIDE 60A, 3 POLE BREAKER IN EXISTING SPACE TO CONNECT EXISTING PANEL 'E' AS SHOWN
- PROVIDE 800A, 3 POLE ATS AS SHOWN. REFER TO FLOOR PLAN FOR LOCATION.
- PROVIDE COMBINATION ATS, DISCONNECT SWITCH AND CONTROLLER FOR 30HP, 208V, 3 PHASE FIRE PUMP MOTOR. REFER TO FLOOR PLAN FOR LOCATION.
- PROVIDE 20" X 20" X 8" NEMA 3R GENERATOR CONNECTION BOX FOR CONNECTION OF GENERATOR CONTROL CIRCUITS AND RECEPTACLES. PROVIDE A SINGLE DOOR WITH STAINLESS STEEL 3 POINT LATCH AND PADLOCK HANDLE ASSEMBLY. PROVIDE A NUMBERED, SCREW DOWN WIRING STRIP IN THE ENCLOSURE FOR PARALLEL CONNECTION OF ROLL-UP AND PERMANENT GENERATOR CONTROL WIRING. RUN 8#12 THWN SEPARATE COLOR CODED CONTROL WIRES FOR EACH ATS FROM GENERATOR CONNECTION BOX TO ATS-1 AND ATS-2 IN COMMON CONDUIT. SEE DETAIL 3/E1.
- PROVIDE 800A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR.
- PROVIDE 200A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR. PROVIDE 2" INVERTER NIPPLE WITH SCREW CAP.
- PROVIDE 2-4 INVERTED NIPPLE WITH SCREW CAP AT THE BOTTOM OF THE SWITCH FOR FUTURE CONNECTION OF TEMPORARY GENERATOR.
- GENERATOR REMOTE MANUAL STOP STATION.
- TO RGAP PANEL. ROUTE 1" TO GENERATOR WITH 7#12 AND TWO SHIELDED, TWISTED PAIRS (24 AWG) 'SELDEN' #9413 OR AS RECOMMENDED BY THE GENERATOR MANUFACTURER. VERIFY PRIOR TO ROUGH-IN. MOUNT RGAP IN RECEPTION AREA APPROXIMATELY 150 FEET FROM GENERATOR.
- PROVIDE CUMMINS GASEOUS FUEL GENERATOR SET GTA19G CC ENGINE SERIES, 300KW/375KVA, 1041A, 208V, 3 PHASE OR SIMILAR.

### DRAWING GENERAL NOTES

- A. FOR SYMBOLS, ELECTRICAL NOTES, ABBREVIATIONS, AND SPECIFICATIONS REFER TO DRAWINGS T1.
- B. DEVICES SHOWN WITH AN 'E' ARE EXISTING TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS TO REMAIN. PROTECT ALL EXISTING DEVICES TO REMAIN FROM DAMAGING DURING CONSTRUCTION.
- C. CONTRACTOR MAY REUSE EXISTING, IN PLACE CONDUIT AT HIS OPTION. ALL REUSED CONDUIT MUST MEET THE SPECIFICATION FOR TYPE, USE AND INSTALLATION AND BE WARRANTED AS NEW BY THE CONTRACTOR. TYPICAL FOR ALL REFERENCES MADE TO REUSING EXISTING CONDUIT THROUGHOUT THE PROJECT.
- D. ALL OUTSIDE ELECTRICAL EQUIPMENT SHALL BE FURNISHED IN NEMA 3R RATED ENCLOSURES.
- E. PROVIDE REVISED TYPE WRITTEN PANELBOARD DIRECTORY CARDS AND LABELS REFLECTING ALL REMOVED AND ADDED CIRCUITS.



3 EQUIPMENT MOUNTING  
E2 NOT TO SCALE



2 RISER DIAGRAM – PROPOSED  
E2 NOT TO SCALE

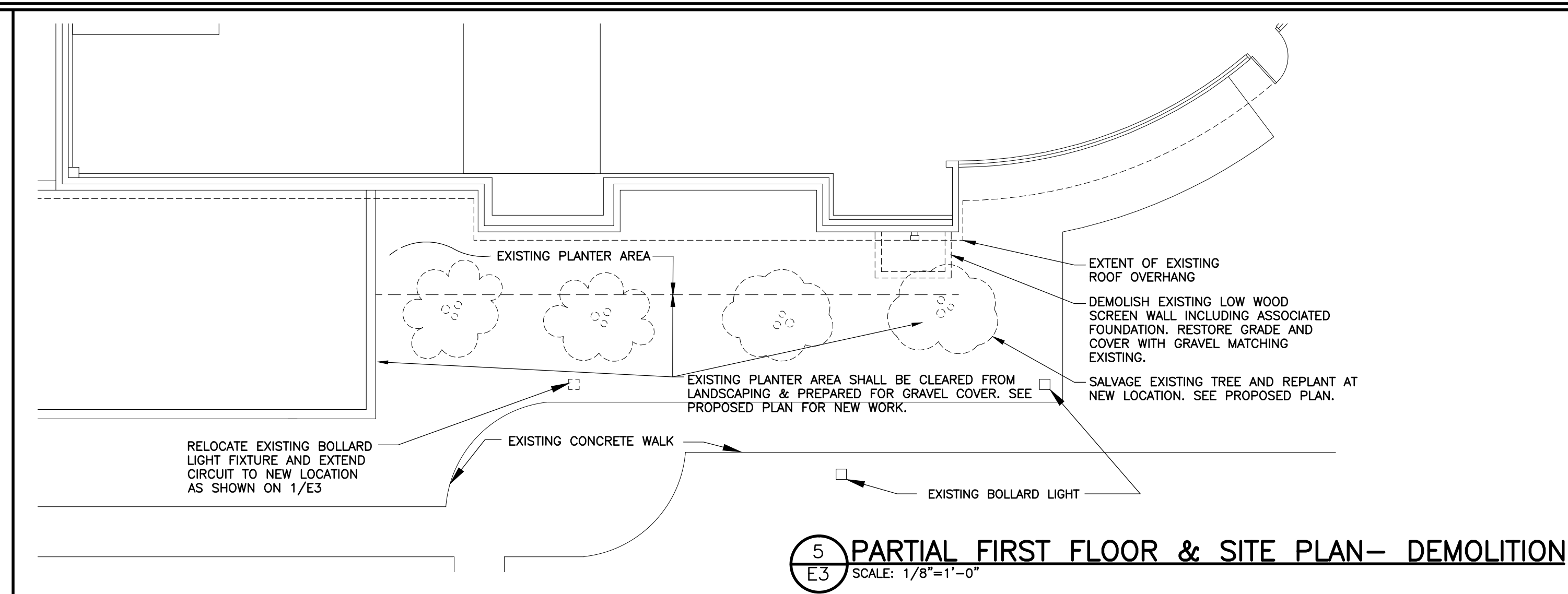
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### RISER DIAGRAMS

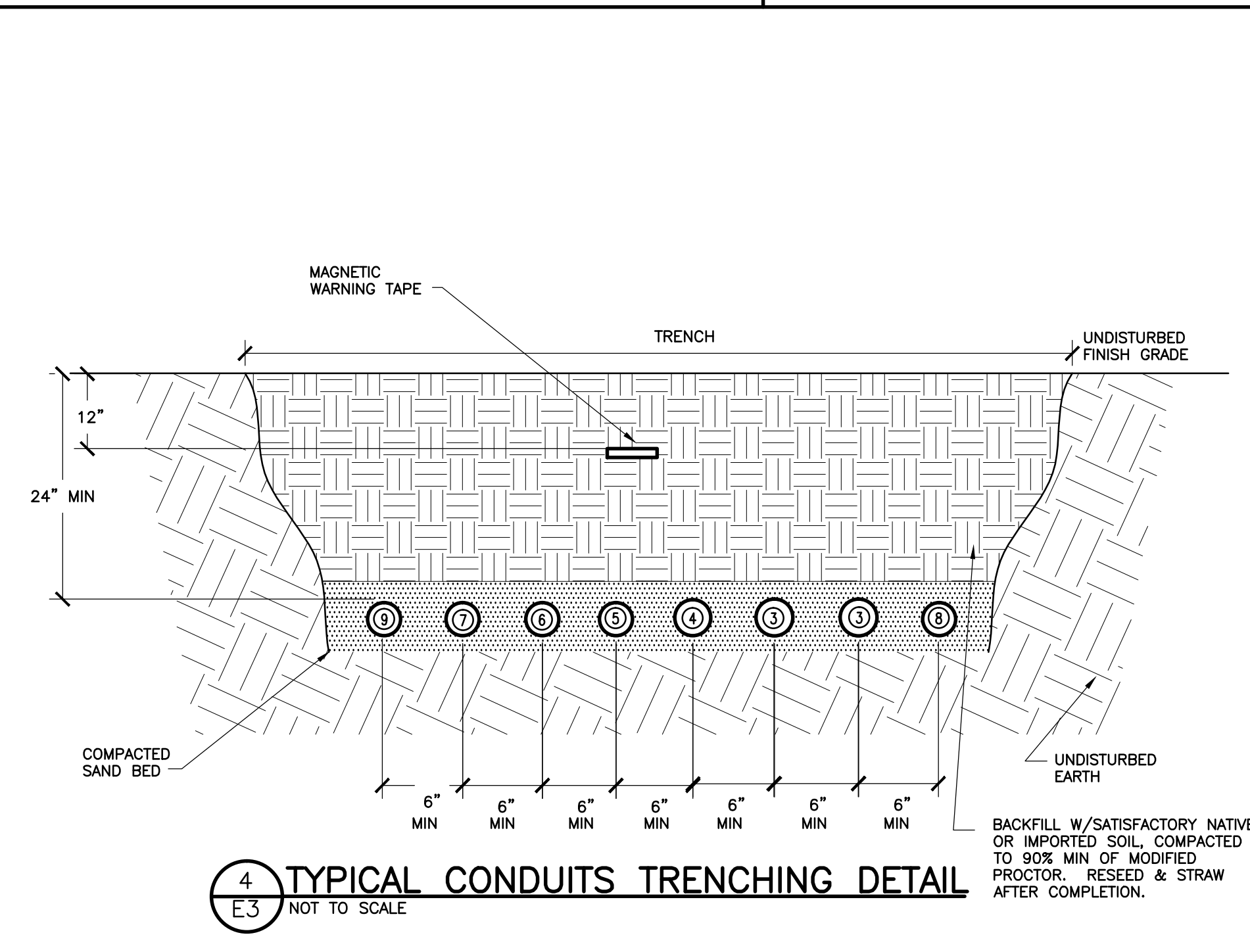
LITTLE RIVER GLEN STANDBY GENERATOR

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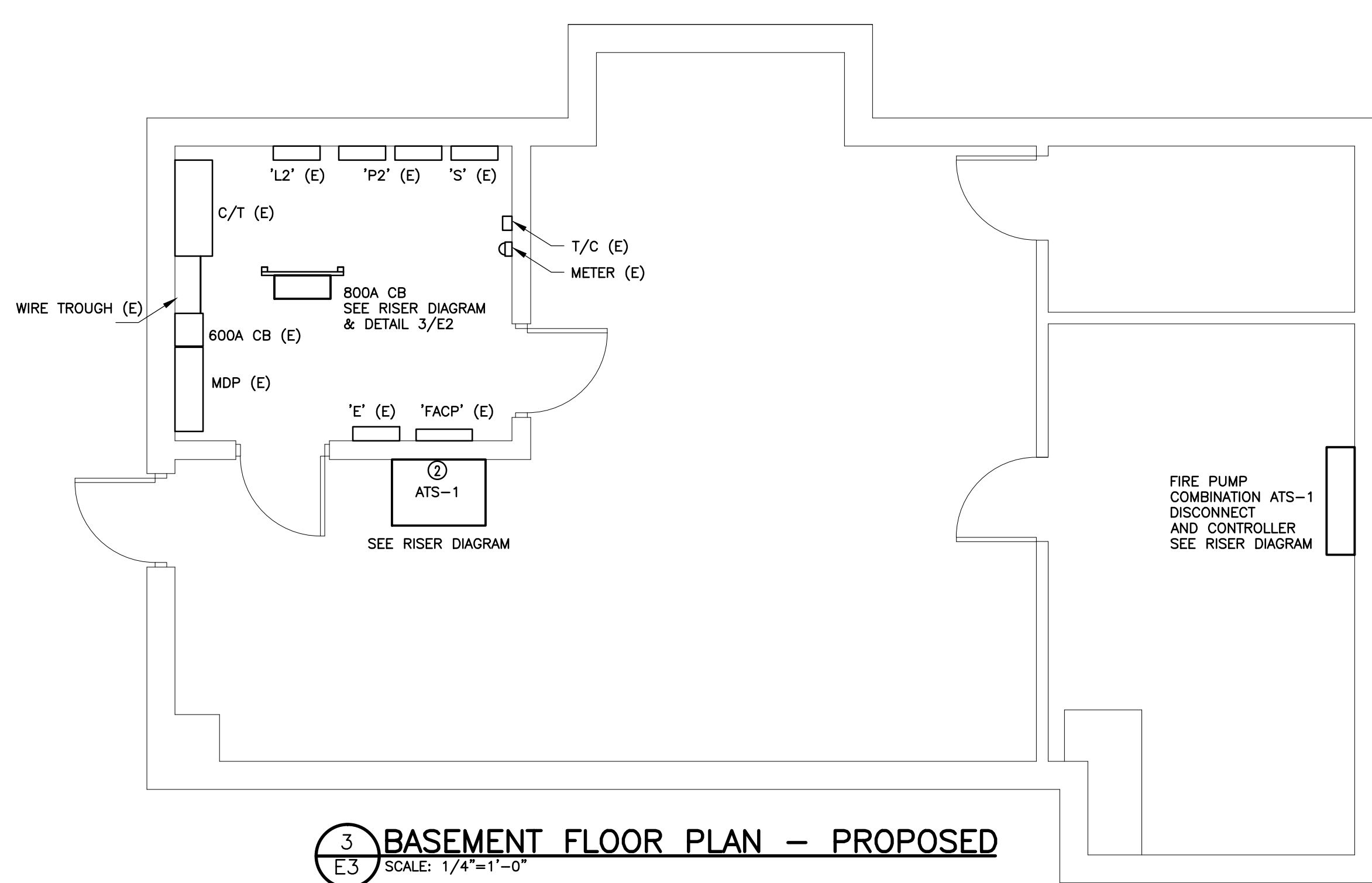
E2



- A. FOR SYMBOLS, ELECTRICAL NOTES, ABBREVIATIONS, AND SPECIFICATIONS REFER TO DRAWINGS T1.
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4 TYPICAL CONDUITS TRENCHING DETAIL  
E3 NOT TO SCALE



3 BASEMENT FLOOR PLAN - PROPOSED  
E3 SCALE: 1/4"=1'-0"

- ① PROVIDE CUMMINS GASEOUS FUEL GENERATOR SET GTA19G CC ENGINE SERIES, 300KW/375KV.A, 1041A, 208V, 3 PHASE OR SIMILAR.  
REFER TO RISER DIAGRAM FOR CONNECTIONS. HAND EXCAVATE TO LOCATE COMMUNICATIONS CABLES. PROVIDE SLEEVES AT FOOTING PENETRATIONS. PROVIDE GENERATOR PAD. REFER TO SECTION 1/E1.
- ② DISCONNECT SWITCHES FOR ATS-1 AND FIRE PUMP. SEE RISER DIAGRAM FOR CONNECTIONS.
- ③ PROVIDE 800A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR. ROUTE CONDUITS @ MINIMUM OF 24" BELOW GRADE SEE RISER DIAGRAM.
- ④ PROVIDE 200A, 240V, 3 POLE, DOUBLE-THROW, CENTER OFF SWITCH IN NEMA 3R ENCLOSURE WITH INTERLOCK KIT FOR CONNECTION OF FUTURE TEMPORARY GENERATOR. SEE RISER DIAGRAM.
- ⑤ GENERATOR CONNECTION BOX. RUN 1" PVC. SEE DETAIL 1/E1 AND RISER DIAGRAM ON DRAWING E2.
- ⑥ PROVIDE WEATHER TIGHT JUNCTION BOX AND RUN 4#10+1#12G IN 3/4" PVC TO GENERATOR FOR BATTERY CHARGER AND CONTROL POWER.
- ⑦ PROVIDE WEATHER TIGHT JUNCTION BOX AND RUN 2#10+1#10G IN 3/4" PVC TO GENERATOR FOR JACKET WATER HEATER. COORDINATE POWER REQUIREMENTS WITH GENERATOR MANUFACTURE PRIOR TO ROUGH-IN. (TYP OF 3)
- ⑧ ROUTE 2#12+1#12G IN 1"PVC TO GENERATOR FROM LABELED REMOTE MANUAL STOP STATION. CONNECT PER GENERATOR MANUFACTURER'S INSTRUCTIONS.
- ⑨ 1" PVC CONDUIT FOR RGAP CONNECTION CABLE. SEE RISER DIAGRAM. MOUNT RGAP IN RECEPTION AREA APPROXIMATELY 150 FEET FROM GENERATOR.
- ⑩ CADWELD #2 BTC GROUND WIRE TO RE-BAR IN GENERATOR FOOTING AND CONNECT TO THE EXTERIOR FRAME OF THE GENERATOR.